ProCon Media Converter
FVT-4001/4002/4301

H/W ver. : 1.x

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10/100BaseTX to 100FX Media Converter

LevelOne provides a complete series of media conversion solutions for flexible network extensions. The FVT-4001/4002 and 4301 media converters are able to convert network signals between UTP and fiber optic cable based networks. This allows extension of networks over a longer distance in both multi- and single mode via fiber-optic cabling.

In multi-mode, the FVT-4001 and FVT-4002 are able to transmit signals up to 2km while the single-mode FVT-4301 media converter is able to extend a network even further by up to 30km.

Each Media Converter provides a 10/100BaseT/TX auto-negotiating RJ-45 connector port that supports full duplex and half duplex switch connectivity and MDI/MDI-X Auto Crossover. The Smart Link Fault Pass-through technology enables the switch to shut down data transmission when the link connection has failed.

The converters are IEEE802.3 10Base and 802.3u 100BaseTX and 100BaseFX compliant.

FVT-4001/4301

FVT-4002

Related Products

FVT-4000
10 Slot Media Converter Chassis with Redunant Power Supply

Key Features

- UTP to Fiber Switching Media Conversion
- Auto Negotiation Speed in Half/Full Duplex mode
- TX port supports Auto MDI/MDI-X Crossover
- Built-in Smart Link Error Detection Technology
- Hot swappable
- Can be used as a Standalone converter or slotted into a Converter Chassis

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Technical Specification

IEEE Standard Compliant
IEEE802.3 10BASE-T
IEEE802.3u 100BASE-TX/100BASE-FX
IEEE802.3x Flow Control and Back pressure

Connector
Fiber
Duplex SC/ST

RJ-45 Port
CAT-3/5 (10/100Mbps) Twisted Pair cable Auto MDI/MDI-X and Auto-Negotiation Function Support

Switching Architecture
Store and Forward

Fiber Parameters
Fiber Core
Multi-Mode - 62.5/125um, 50/125um (support up to 2km)
Single-Mode - 9/125um (support up to 30km)

Wavelength
1310nm (Multi-mode)
1310nm (Single-mode)

Transparent packet
64 to 1600 Bytes for Non-VLAN Ethernet packet

DIP Switch
DIP Switch 1: UTP Auto-Nego / 100Mbps Full Duplex mode
DIP Switch 2: Fiber Full/Half Duplex
DIP Switch 3: LLF (Link Lose Forwarding) Disable/Enable
DIP Switch 4: Switch Converter / Pure converter mode

LED Indicators
Power, Speed, TX Link/Activity, TX Full-duplex/Collision, FX Link/Activity, FX Full-duplex/Collision

Physical Specifications
Power DC9V / 0.7A
Dimension 119 x 85 x 26mm
Operation Temp. 0 ~ 45°C
Operation Humidity 10% to 90% (Non-condensing)
Storage Temp. -10 ~ 70°C

Certifications
EMI FCC Class A, CE

Ordering Information

- FVT-4001 10/100BaseTX to 100FX Converter, SC, Multi-mode 2km
- FVT-4002 10/100BaseTX to 100FX Converter, ST, Multi-mode 2km
- FVT-4301 10/100BaseTX to 100FX Converter, SC, Single-mode 30km

For more information, please contact your LevelOne representative, or visit www.level1.com
All technical specifications are subject to change without notice.
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